

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	17	olivieri-r.in.	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L2	470	olivieri.in.	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L3	7	sabbatini-f.in.	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L4	90	sabbatini.in.	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L5	2	marsili-i.in.	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L6	189	marsili.in.	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L7	11549	novartis.as.	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L8	12277	L1 L2 L3 L4 L5 L6 L7	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L9	2479	(outer adj membrane adj vesicle) "OMV" OMV\$2 (outer near membrane near vesicles)	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L10	16165	neisseria	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55

L11	641	L9 and L10	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L12	283	L7 and L10	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L13	8690	meningitis	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L14	747	(L11 L12) and L13	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L15	585	(mutations decrease knockout expression) and L14	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L16	384773	cps ctra ctrb ctrc ctrd exbb exbd frpb gale htrb msbb lbpa lpbp lpxk nmboo33 opa opc phop pilc pmre pmrf pora porb rmpm siaa siab siac siaD syna synb sync tbpa tbpb	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L17	383	L15 and L16	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L18	662478	(pharmaceutical near carrier\$1) adjuvant\$1 stabiliser	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L19	189	(ultrafiltration filtration) and L17	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L20	175	L19 and (ultracentrifugation centrifugation sterilisation)	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L21	173	L20 and L18	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L22	76	"B:4:P1.4" "B:4:P1.15" "B:4:P1.19,15" "B:4:P1.7b,4" "B:15:P1.7,16"	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55

L23	16165	neisseria	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L24	75	L22 and L23	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L25	11549	novartis.as.	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L26	2479	(outer adj membrane adj vesicle) "OMV" OMV\$2 (outer near membrane near vesicles)	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L27	641	L26 and L23	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L28	283	L25 and L23	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L29	8690	meningitidis	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L30	747	(L27 L28) and L29	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L31	585	(mutations decrease knockout expression) and L30	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L32	384773	cps ctra ctrb ctrc ctrd exbb exbd frpb gale htrb msbb lbpa lpbp lpxk nmbo033 opa opc phop pilc pmre pmrf pora porb rmpm siaa siab siac siaD syna synb sync tbpa tbpb	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L33	383	L31 and L32	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L34	662478	(pharmaceutical near carrier\$1) adjuvant\$1 stabiliser	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55

L35	189	(ultrafiltration filtration) and L33	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L36	175	L35 and (ultracentrifugation centrifugation sterilisation)	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L37	173	L36 and L34	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L38	22	L37 and L24	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L39	4	(("6476201") or ("5747653")).PN.	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/10/07 15:55
L40	2	("6476201").PN.	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/10/07 15:55
L41	22	((outer adj membrane adj vesicle) "OMV" "OMV\$2 (outer near membrane near vesicles) same (ultrafiltration "UF" (membrane adj filtration))	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L42	20	L41 and (stabiliser adjuvants carrier (tris adj buffer))	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L43	7	(((outer adj membrane adj vesicle) "OMV" OMV\$2 (outer near membrane near vesicles) same (tris adj buffer))	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L44	4	L43 and (ultrafiltration "UF" (membrane adj filtration))	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L45	700831	(cultivating cultivation cultivate cultivated grow\$3 prepare manufacture preparing culture) same (cells cell bacteria prokaryotes)	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L46	2236	((outer adj membrane adj vesicle\$1) "OMV" OMVs blebs) and L45	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55

L47	325	((ultrafiltration "UF" (membrane adj filtration)) and L46	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L48	195	L47 and (meninogococcal neisseria meningitidis)	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L49	63818	((change mutate mutation\$1 decrease knockout) same ((gene adj product) cps ctra ctrb ctrc ctrd exbb exbd frpb gale htrb msbb lbpa lpbp lpxk nmb0033 opa opc phop pilc pmre pmrf pora porb rmpm siaa siab siac siad syna synb sync tbpa tbpb))	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L50	61	L48 and L49	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L51	229476	((disrupt disrupting shake lyse lysis shaking break sonicate sonication sonicated breaking stir stirring disintergration) same (cells cell bacteria prokaryotes))	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L52	58	L50 and L51	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L53	9	L52 and ((cross adj1 flow) (tangential adj (force flow)) (shear adj flow))	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L54	13	L52 and diafiltration	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L55	9	L53 and diafiltration	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L56	49	L52 NOT L55	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L57	18929	((cells cell bacteria prokaryotes) same (ultrafiltration "UF" (membrane adj filtration)))	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L58	700831	((cultivating cultivation cultivate cultivated grow\$3 prepare manufacture preparing culture) same (cells cell bacteria	US- PGPUB; USPAT;	OR	ON	2011/10/07 15:55

		prokaryotes)	EPO; JPO; DERWENT			
L59	15372	L57 and L58	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L60	2610	((outer adj membrane adj vesicle) "OMV" OMV\$2 vesicle bleb (outer near membrane near vesicles)) and L59	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L61	229476	((disrupt disrupting shake lyse lysis shaking break sonicate sonication sonicated breaking stir stirring disintergration) same (cells cell bacteria prokaryotes))	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L62	2111	L60 and L61	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L63	186	L62 and ((cross adj1 flow) (tangential adj (force flow)) (shear adj flow))	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L64	18782	(mutations decrease knockout expression alter alteration) same (cps ctra ctrb ctrc ctrd exbb exbd frpb gale htrb msbb lbpa lbpb lpxk nmboo33 opa opc phop pilc pmre pmrf pora porb rmpm siaa siab siac siaD syna synb sync tbpa tbpb)	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L65	14	L63 and L64	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L66	20	L63 and (meninogococcal neisseria meningitidis "serogroup B")	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L67	3	((ultrafiltration) same (bacteria bacterium))	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L68	2	("6936261").PN.	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/10/07 15:55
L69	54783	((cells cell bacteria prokaryotes membrane\$1 vesicle\$1) same (crude (partial\$ near purif\$)))	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L70	228	L69 and ((outer adj membrane adj vesicle) "OMV" OMV\$2 (outer near	US- PGPUB;	OR	ON	2011/10/07 15:55

		membrane near vesicles))	USPAT; EPO; JPO; DERWENT			
L71	67	(ultrafiltration "UF" (ultra adj1 filtration) (membrane adj filtration)) and L70	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L72	5	L71 and ((cross adj1 flow) (tangential adj (force flow)) (shear adj flow) diafiltrat\$4)	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55
L73	63	L71 and neisseria	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/07 15:55

EAST Search History (Interference)

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